

CLAIMS

1. An information transmitting apparatus comprising:

an adding device which adds border information, which designates a boarder between a partial recording information piece and another partial recording information piece, to recording information, the recording information including a plurality of partial recording information pieces; and

a transmitting device which transmits the recording information with the border information added thereto and transmission order information designating a transmitting order of the partial recording information pieces.

2. An information transmitting apparatus according to claim 1 comprising:

a first transmitting device which transmits the transmission order information using a transmission method by which it is assured that information arrives at where the information is transmitted; and

a second transmitting device which transmits the recording information using a transmission method different from that for the transmission order information.

3. An information recording apparatus which receives input of recording information having a plurality of partial recording information pieces and boarder information designating a border of the partial recording information pieces and transmission order information designating an order of transmitting the partial recording information, and records at least the recording information to a recording medium, comprising:

an erroneous detection detecting device which detects an erroneous detection of the boarder information on the basis of the transmission order information.

4. An information recording apparatus according to claim 3, wherein

the erroneous detection detecting device comprising:

a counting device which counts a number of the border information; and

a comparison device which compares a counted value obtained by the counting device and a value of the transmission order information.

5. An information recording apparatus according to claim 3 or 4, further comprising:

a generation device which generates control information on the basis of the border information;

a correction device which corrects the control information for controlling the recording information that is recorded when an erroneous detection of the border information is detected; and

a recording device which records the control information thus corrected onto the recording medium.

6. An information recording apparatus according to claim 5, further comprising:

an adding device which adds time information to the recording information that is recorded onto the recording medium, wherein

the correcting device detects a discontinuous point of

time information, which time information is added to the recording information, and regenerates the control information by regarding the discontinuous point thus detected as a border of the partial recording information piece.

7. An information transmitting method comprising:

an adding step of adding border information designating a border between a partial recording information piece and another partial recording information piece to recording information which includes a plurality of partial recording information pieces; and

a transmitting step of transmitting the recording information with the border information added thereto and transmission order information which designates a transmission order of the partial recording information pieces.

8. An information recording method which inputs recording information including a plurality of partial recording information pieces, boarder information which designates a boarder of the partial recording information pieces, and transmission order information which designates a transmission order of the partial recording information pieces, and recording at least the recording information onto a recording medium comprising:

an erroneous detection detecting process for detecting an erroneous detection of the border information on the basis of the transmission order information.